



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Henriksson et al. Art Unit : 1626  
Serial No. : 10/525,640 Examiner : Joseph R. Kosack  
Filed : February 25, 2005 Conf. No. : 9646  
Title : 2,5-DIOXOIMIDAZOLIDIN-4-YL ACETAMIDES AND ANALOGUES AS  
INHIBITORS OF METALLOPROTEINASE MMP12

**MAIL STOP RCE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. Please also find a copy of the Examiner's search results from Attorney Docket No. 062750-356US1, U.S.S.N. 10/471,501.

Reference AC is a non-English language document that includes an English language abstract. Applicants submit that the English language abstract included with Reference "AC" fulfills the requirement for providing a concise explanation of relevance for a non-English language document as set out in MPEP § 609. To the best of Applicants' knowledge and belief, reference AF is an English language equivalent of reference AC.

Applicants wish to bring to the Examiner's attention the following commonly owned, copending applications: USSN 11/500,207, filed on August 7, 2006; USSN 11/571,637, filed on January 4, 2007; and USSN 11/571,643, filed on January 4, 2007.

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Applicant : Henriksson et al.  
Serial No. : 10/525,640  
Filed : February 25, 2005  
Page : 2 of 2

Attorney's Docket No.: 06275-442US1 / 100604-1P US

No fee is believed due as this Statement is being filed concurrently with a Request for Continued Examination under 37 C.F.R. § 1.114. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 06275-442US1.

Respectfully submitted,

Date:

January 17, 2007

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Substitute Form PTO-1449  
(Modified)  
U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.  
06275-442US1

Application No.  
10/525,640

### Information Disclosure Statement by Applicant

(Use several sheets if necessary)

(37 CFR 1.98(b))

Applicant  
Henriksson et al.

Filing Date  
February 25, 2005

Group Art Unit  
1626

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,291,685	09/18/01	Junghans et al.			
	AB	US2006/0276524	12/07/06	Henriksson et al.			

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC	WO00/044770	08/03/00	WIPO				
	AD	WO06/004532	01/12/06	WIPO				
	AE	WO06/004533	01/12/06	WIPO				
	AF	EP1149843 A1	10/31/01	EPO				

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AG	Banfield, J. E. et al., "Heterocyclic Derivatives of Guanidine. Part V. Reaction of Some Glycidic Esters with Guanidines", <u>The Journal of The Chemical Society</u> , 511:2747-2756, (1963).
	AH	Belvisi, M. G. et al., "The role of matrix metalloproteinases (MMPs) in the patho-physiology of chronic obstructive pulmonary disease (COPD): a therapeutic role for inhibitors of MMPs?", <u>Inflammation Research</u> , 52:95-100, (2003).
	AI	Borchers, Michael T. et al., "Acrolein-Induced MUC5ac Expression in Rat Airways", <u>The American Physiological Society</u> , 274:L573-L581, (1998).
	AJ	Carmeliet, Peter, "Proteinases in Cardiovascular Aneurysms and Rupture: Targets for Therapy?", <u>The Journal of Clinical Investigation</u> , 105(11):1519-1520, (2000).
	AK	Comber, Robert N. et al., "5,5-Disubstituted Hydantoins: Syntheses and Anti-HIV Activity", <u>J. Med. Chem.</u> , 35:3567-3572, (1992).
	AL	Dahan, Maurice et al., "Expression of Matrix Metalloproteinases in Healthy and Diseased Human Gingiva", <u>Journal of Clinical Periodontology</u> , 28:128-136, (2001).
	AM	Doherty, Terence M. et al., "Therapeutic Developments in Matrix Metalloproteinase Inhibition", <u>Expert Opinion Ther. Patents</u> , 12(5):665-707, (2002).
	AN	Elliot, Sarah et al., "The Clinical Potential of Matrix Metalloproteinase Inhibitors in the Rheumatic Disorders", <u>Drugs &amp; Aging</u> , 18(2):87-99, (2001).
	AO	Gramatica et al., STN International, HCAPLUS Database, Columbus, OH, Accession No. 2002:356947, Reg. No. 36734-19-7
	AP	Hautamaki, R. Dean et al., "Requirement for Macrophage Elastase for Cigarette Smoke-Induced Emphysema in Mice", <u>Science</u> , 277:2002-2004, (2002).
	AQ	Lindy, Otso et al., "Matrix Metalloproteinase 13 (Collagenase 3) in Human Rheumatoid Synovium Arthritis Rheumatism," <u>Arthritis and Rheumatism</u> , 40(8):1391-1399, (1997).

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06275-442US1	Application No. 10/525,640
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Henriksson et al.	
		Filing Date February 25, 2005	Group Art Unit 1626

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AR	Mandal, Malay et al., "Clinical Implications of Matrix Metalloproteinases", <u>Molecular and Cellular Biochemistry</u> , 252:305-329, (2003).
	AS	Pyo, Robert et al., "Targeted Gene Disruption of Matrix Metalloproteinase-9 (Gelatinase B) Suppresses Development of Experimental Abdominal Aortic Aneurysms", <u>The Journal of Clinical Investigation</u> , 105(11):1641-1649, (2000).
	AT	Rouis, M. et al., "Adenovirus-Mediated Overexpression of Tissue Inhibitor of Metalloproteinase-1 Reduces Atherosclerotic Lesions in Apolipoprotein E-Deficient Mice", <u>Circulation</u> , 100:533-540, (1999).
	AU	Wernicke, Dirk et al., "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", <u>The Journal of Rheumatology</u> , 23:590-595, (1996).
	AV	Whittaker, Mark et al., "Design and Therapeutic Application of Matrix Metalloproteinase Inhibitors", <u>Chemical Reviews</u> , 99:2735-2776, (1999).

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